

product_datasheet_title

SubstiTUBE T8 HF Pro 7.5 W/6500 K 600 mm

SubstiTUBE T8 HF PRO | LED tubes for electronic high frequency control gears (ECG), shatterproof



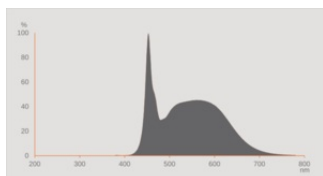
technical_data

ELECTRICAL DATA

Nominal wattage	7.5 W
Construction wattage	7.50 W
Nominal voltage	20...40 V
Operating mode	ECG
Nominal current	50 mA
Type of current	AC
Inrush current	20 A
Operating frequency	20...75 kHz
Mains frequency	20...75 kHz
Total harmonic distortion	< 20 %
Power factor λ	> 0.80

PHOTOMETRICAL DATA

Luminous flux	1100 lm
Luminous efficacy	146 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	83
Light color	865
Standard deviation of color matching	≤ 5 sdc _m
Flickering metric (Pst LM)	≤ 1
Stroboscope effect metric (SVM)	$\leq 0,4$

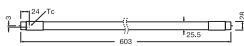


EPREL data spectral diagram PROF
LEDr 6500K

LIGHT TECHNICAL DATA

Beam angle	190 °
Warm-up time (60 %)	< 2.00 s
Starting time	< 0.5 s

DIMENSIONS & WEIGHT



Overall length	603.00 mm
Length with base excl. base pins/connection	600.00 mm
Diameter	27.80 mm
Tube diameter	25,5 mm
Maximum diameter	28 mm
Product weight	109.00 g

TEMPERATURES & OPERATING CONDITIONS

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	68 °C

LIFESPAN

Lifespan L70/B50 at 25 °C	60000 h
Number of switching cycles	200000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

ADDITIONAL PRODUCT DATA

Base (standard designation)	G13
Mercury content	0.0 mg
Mercury-free	Yes

CAPABILITIES

Dimmable	no
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CERTIFICATES & STANDARDS

Energy efficiency class	D 1)
Energy consumption	9.00 kWh/1000h

Type of protection	IP20
Standards	CE
Photobiological safety group acc. to EN62778	RG0

¹⁾ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

COUNTRY-SPECIFIC CATEGORIZATIONS

Order reference	LEDTUBE T8 HF P
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Energy labelling regulation data

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	G13
Connected light source (CLS)	no
Color-tuneable light source	no
Envelope	No
High luminance light source	no
Anti-glare shield	no
Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power	No
Length	603.00 mm
Height	27.80 mm
Width	27.80 mm
Chromaticity coordinate x	0.312
Chromaticity coordinate y	0.328
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.90
LED light source replaces a fluorescent light source	no
EPREL ID	519419
Model number	AC33856

download_data

Documents and certificates		document_name
	User instruction	LEDTUBE T8 HF LED tube
	Declarations Of Conformity CE	T8 HF tube series
	Declarations Of Conformity UKCA	LEDTUBE T8 and T5
Photometric and lighting design files		document_name
	IES file (IES)	ST8PRO 0.6M 7,5W 865 20-40VHF OSRAM
	LDT file (Eulumdat)	ST8PRO 0.6M 7,5W 865 20-40VHF OSRAM
	LDC typ polar	ST8PRO 0.6M 7,5W 865 20-40VHF OSRAM
	Spectral power distribution	EPREL data spectral diagram PROF LEDr 6500K

logistical_data

product_code	packaging_unit	dimensions	weight	volume
4058075545113	Sleeve 1	610 mm x 31 mm x 31 mm	127.00 g	0.59 dm ³
4058075545120	Shipping box 10	662 mm x 210 mm x 115 mm	1630.00 g	15.99 dm ³

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